# Geotechnical Inspection Schedule

(2009 IBC)

PROJECT: _____ PERMIT: _____

ADDRESS: _____ DATE: _____

TESTING AGENCY: _____ PHONE: _____

**A PRE-CONSTRUCTION MEETING IS REQUIRED. The City of Bellevue Clearing & Grading Inspector must be contacted in advance of any work noted below. [The Building Inspector must be contacted in advance if work is being done under a building permit.] It is the responsibility of the owner or owner's designee to notify the Geotechnical Engineer AND schedule a clearing & grading inspection in a timely manner. Copies of all inspection reports must be posted on site and summary letters submitted to the Building Inspection Supervisor. Unresolved nonconformancies must be brought to the immediate attention of the City of Bellevue Clearing & Grading Inspector. Send summary letters and nonconformance reports to the Building Inspection Supervisor, Planning & Community Development, 450 110th Ave. NE, P.O. Box 90012, Bellevue, WA 98009-9012.**

- ☐ 1. Soil Bearing Pressure (Table 1704.7)
- ☐ 2. Excavation (Table 1704.7)
- ☐ 3. Structural Fill Material & Compaction (Table 1704.7)
- ☐ 4. Backfill Material, Compaction, Wall & Rockery Stability (Table 1704.7)
- ☐ 5. Footing & Foundation Wall Drainage Verification
- ☐ 6. Shoring Installation & Monitoring
- ☐ 7. Soil Nail Installation & Testing
- ☐ 8. Tieback Installation and Testing
- ☐ 9. Driven Deep Foundation Elements: Timber, Steel, Precast, etc. (Table 1704.8)
- ☐ 10. Cast-in-Place Deep Foundation Elements: Auger Cast Piles (Table 1704.9)
- ☐ 11. Helical Pile Foundations (1704.10)
- ☐ 12. Vertical Masonry Foundation Elements (1704.10)
- ☐ 13. Other:

_____

**TABLE 1704.7**
**REQUIRED VERIFICATION AND INSPECTION OF SOILS**

| VERIFICATION AND INSPECTION TASK | CONTINUOUS DURING TASK LISTED | PERIODICALLY DURING TASK LISTED |
|---|---|---|
| 1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity. | — | X |
| 2. Verify excavations are extended to proper depth and have reached proper material. | — | X |
| 3. Perform classification and testing of compacted fill materials. | — | X |
| 4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. | X | — |
| 5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly. | — | X |

**TABLE 1704.8**
**REQUIRED VERIFICATION AND INSPECTION OF DRIVEN DEEP FOUNDATION ELEMENTS**

| VERIFICATION AND INSPECTION TASK | CONTINUOUS DURING TASK LISTED | PERIODICALLY DURING TASK LISTED |
|---|---|---|
| 1. Verify element materials, sizes and lengths comply with the requirements. | X | — |
| 2. Determine capacities of test elements and conduct additional load tests, as required. | X | — |
| 3. Observe driving operations and maintain complete and accurate records for each element. | X | — |
| 4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element. | X | — |
| 5. For steel elements, perform additional inspections in accordance with Section 1704.3. | — | — |
| 6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with Section 1704.4. | — | — |
| 7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge. | — | — |

**TABLE 1704.9**
**REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS**

| VERIFICATION AND INSPECTION TASK | CONTINUOUS DURING TASK LISTED | PERIODICALLY DURING TASK LISTED |
|---|---|---|
| 1. Observe drilling operations and maintain complete and accurate records for each element. | X | — |
| 2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes. | X | — |
| 3. For concrete elements, perform additional inspections in accordance with Section 1704.4. | — | — |